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P/0047/63/014/002/0229/0260

AP3001753 ACCESSION NR:

AUTHOR: Szydlowski, Henryk

Magnetic anisotropy 1. Magnetic anisotropy energy

Postepy fizyki, v. 14, no. 2, 1963, 229-260 SOURCE:

TOPIC TAGS: anisotropy, magnetic anisotropy, resonance, ferromagnet, crystal, exchange anisotropy, induced anisotropy

ABSTRACT: The author's article is a review of literature on the subject of magnetic anisotropy. Formulas and tables are quoted and figures reproduced from 33 papers referred to in the article. The author first discusses the magnetic anisotropy energy, pointing out the difference between anisotropic bodies and magnetic anisotropy. Anisotropic constants are tabulated for various crystals. Connection between the surface within the magnetizing curves and the anisotropy constants is pointed out. Formulas are quoted estimating anisotropic energy in various crystallographic directions. Several methods of measuring constants of magnetic anisotropy are discussed. These are: the torsion method, using resistance and compensation anisometers; the oscillation method (formulas are tabulated Card 1/2

L 18888-63 ACCESSION NR: AP3001753

giving the second derivative of anisotropic energy and directional moment); induction method (effect of magnetic field and intensity is discussed); and the ferromagnetic resonance method, as applied to monoaxial crystals and to crystals of normal shape (formulas are given for components of the internal field and for the anisotropic field). Latest theories are given on induced anisotropy, exchange anisotropy and anisotropy of polycrystalline materials. The latter for the case of crystals oriented with the magnetic field and crystals encountered in transformer sheet steels. The mechanism of exchange anisotropy is discussed, and values for Co ferrite constants are given for various Co concentrations. "I express sincere thanks to Prof. Dr. A. Piekarz, Prof. Dr. S. Szczeniowski and Docent Dr. Z. Pajak for their help in editing this paper." Orig. art. has: 71 equations, 21 figures and 6 tables.

ASSOCIATION: Katedra Fizyki Dos'viadchalney, Universiteta im. A. Mickievicha, Poznan (Dept. of Experimental Physics, Univ. of Poznan)

SUBMITTED: 00

DATE ACQ: 12Jun63

ENCL: 00

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NO REF SOV: 003

OTHER: .030

Card 2/2

P/0045/64/025/003/0401/0416

AP4040361 ACCESSION NR:

AUTHOR: Szydlowski, H. TITLE: Magnetic annealing effect on the magnetic anisotropy of

cobalt ferrite crystals

SOURCE: Acta physica polonica, v. 25, no. 3, 1964, 401-416

TOPIC TAGS: cobalt ferrite, magnetic annealing effect, magnetic field heating, single crystal, single crystal anisotropy

ABSTRACT: Results in respect to anisotropy induced in cobalt ferrite single crystals and polycrystalline specimens by heating in a magnetic field are given. Anisotropy constants were measured at room temperature by the oscillation method and the ballistic method. The shape (number of maxima) of the magnetic torque curves was investigated by an oscillographic method. The dependence of the induced anisotropy constants on the temperature and time of heating in the magnetic field were investigated. Relaxation times in polycrystalline specimens were determined. With low measuring field strengths, only

APPROVED FOR RELEASE TO AS 12001 TO CLARD PROFESSION FROM 75461 (0)

SZYDLOWSKI, J.; RZEPKA, J.

Machines and equipment for the food industry at the 29th Poznan International Fair. p. 629.

PRZEGLAD MECHANICZNY. (Stowarzyszenie Inznerow i Techikow Mechanikow Polskich) Warszawa, Poland. Vol. 18, no. 19/20, Oct. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959. Uncl.

KROLIKOWSKA-PRASAL, Irena; SZYDLOWSKI, Jerzy

Influence of x-rays irradiation of the central nervous system of albino rats on the glycogen content in the liver cells. Ann. Univ., Lublin sect.D 16:93-107 '61.

1. Z Katedry i Zakladu Histologii i Embriologii Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: prof. dr med. Stanislaw Grzycki z Katedry i Zakladu Radiologii Wydzialu Lekarskiego Akademii Medycznej w Lublinie Kierownik: doc. dr med. Kazimierz Skorzynski.

(BRAIN) (RADIATION EFFECTS) (LIVER GLYCOGEN)

POLAND

KOWALEWSKI, Jan and Jerzy SZYDLOWSKI; Second Clinic of Internal Diseases (II Klinika Chorob Wewnetrznych) AM /Akademia Medyczna -- Medical School/ in Lublin, Director: Prof Dr Med A. R. TUSZKIEWICZ and the Institute of Radiology (Zaklad Radiologii) of the AM in Lublin, Director: Prof Dr Med K. SKORZYNSKI.

''A Case of Medullary Leukemia with Skin and Extensive Bone Alterations'

Krakow, Przeglad Lekarski, Vol 18, No 12, 62, pp 474-478.

Abstract: [Authors' English summary modified] Case report of medulary leukemia, which at first was clinically and hematologically chronic, having then passed quickly into an acute form. Interesting in this case were the formation of leukemic infiltrations in the skin and extemsive changes in the bone system, which had the character of a multifocal atrophy of bone tissue. These bone alterations which appear 1/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

POLAND

Krakow, Przeglad Lekarski, Vol 18, No 12, 62, pp 474-478 (continued).

very rarely in medullary leukemias in adults, were the cause of disturbances in calcium phosphate metabolism together with the formation of calcium metastases in kidneys. The treatment, at first with Myleran, and afterwards during the exacerbation of the disease, with Prednisolon and Purinethol did not influence in any way the course of the disease and did not contribute to the prolongation of the patient's life.

- E N D -

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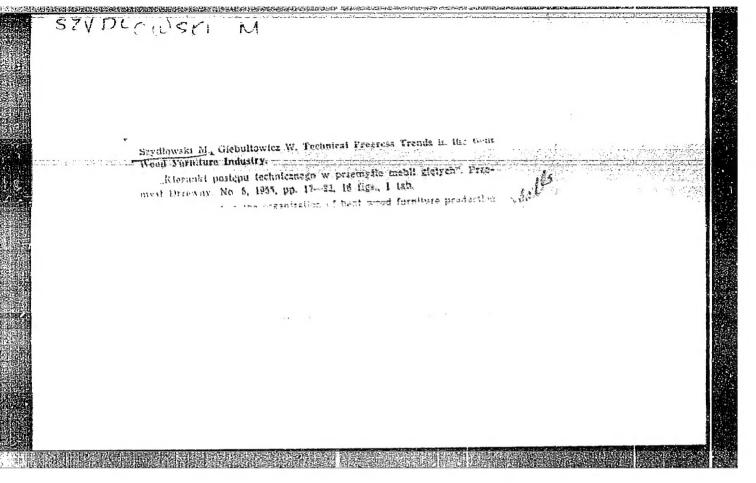
2542, 2372 CSO: 2000-N Szydlowski M.

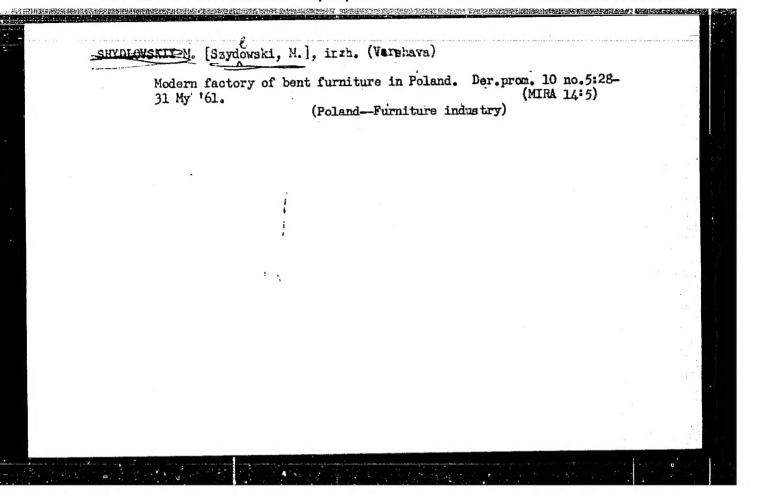
furcuist (m)

Szydlowski M. "The Problem of Utility Furniture for the Working Class." (Problem mebla mieszkaniowego dla mas pracujacych). Przemysl Drzewny, No. 1, 1956, pp. 21-24.

The problem of mass production of furniture suitable for an average worker's household (utility furnisture) imposed itself with particular urgency in Poland after the last war. The wood industry of the People's Poland was faced by the necessity of creating new, standardized types of furniture which would meet the following requirements: 1) maximum utility combined with aesthtic design and proper finish, 2) compliance, as to dimensions and lines of design, with the standard types of dwellings, 3) considerable lowering of prices in comparison with the cost of the types hitherto prevailing, 4) construction corresponding to the possibilities of mechanical mass production with refard to the present state of technical equipment of production plants, 5) reduction of a minimum of the use of expensive materials which are an unremunerative proposition.

SC: Polish Technical Abstracts - No. 2, 1951





SZYDLOWSKI, Marian, mernok; KOWALINSZKY, Pal [translator]

A modern bentwoci furniture factory in Poland. Faipar 10 no.9:273-282 S '60.

SZYDLOWSKI, S.

"Etiquette in the milling industry." Gospodaka Zbozowa, Warszawa, Vol 5, No 7, July 1954, p. 28.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

ZABLOCKI, B.; SZYDLOWSKI, S.

Hyaluronidase in staphylococci. Med. dosw. mikrob., Warss. 4 no. (GLML 23:3)
3;328-329 1952.

1. Summary of work progress presented at 11th Congress of Polish Microbiologists held in Krakow May 1951. 2. Lods.

SZYDLOWSKI, S.; GORZEIAK, Z.; GOSCICKI, J.; ROLICKA, M.

Studies on bactericidal properties on newly synthetized compounds from the group of aromatic chloramines. Med. dosw. mikrob. 5 no.3: 310-311 1953.

1. Lods.

SZYDLOWSKI, STANISLAW

ZABLOCKI, Bernard; SZYDLOWSKI, Stanislaw; GORZELAK, Zofia

Viscosity of solutions of hyaluronic acid and accelerating properties in blood sedimentation; standardization of hyaluronic acid for determination of hyaluronidase titer. Med. dosw. mikrob. 6 no.2:151-160 1954.

1. Z Katedry Mikrobiologii Szczegolwej Universytetu Lodzkiego.
(BLOOD SEDIMENTATION,

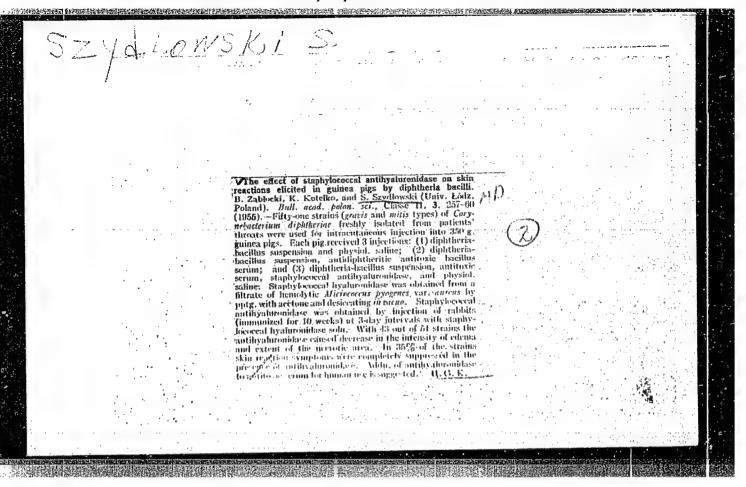
*relation to viscosity of hyaluronic soid)
(HYALURONIC ACID,

*viscosity, relation to blood sedimentation)

s. STYDLOWSKI,

B. ZABLOCKI, K. KITELKO, S. SZYDLOWSKI: The intluence of stephylococcal antihyaluronidase on the course of skin reactions due to Corynebacterium diphtheriae in guinem pig:

30: <u>Medyevna Doswindcarlna I Mikrobiologia</u> (Experimental Medicine and Microbiology) Fourth unrter 1955.



ZABLOCKI, Bernard; KOTEKLO, Krystyna; SZYDKOWSKI, Stanislaw.

Effect of staphylococcal antihyaluronidase on the course of cutaneous reactions to Corynebacterium diphtheriae in guinea pig. Med.dosw.mikrob. 7 no.4:353-360 1955.

1. Z Katedry Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego Kierownik: prof. dr B. Zablocki.

(CORYNEBACTERIUM DIPHTHERIAE,

eff. of Staphylococcus antihyaluronidase on reactivity of skin in guinea pig to C. Diphtheriae.

(SKIN, physiology, reactivity to Corynebacterium diphtheriae, eff. of Staphylococcus antihyaluronidase)

(HYALURONIDASE, antagonists, Staphylococcus antihyaluronidase, eff. on skin reactivity to Corynebacterium Diphtheriae in guinea pigs)

(MICROCOCCUS PYOGENES, antihyaluronidase from, eff. on skin reactivity to Corynebacterium diphtheriae in guinea pig)

SZYDIOWSKI, S.; ROLICKA, M.; ZABLOCKI, B.

Preparation of purified preparations of hyaluronic acid for titration of hyaluronidase. Acta microb. polon. 6 no.3:211-218 1957.

1. Z Katerdy Mikrobiologii Szczegolowej Uniwersytetu Lodzkiwgo w Lodzi.
(HYALURONIC ACID, preparation of,
purified preparation of hyaluronidase (Pol))
(HYALURONIDASH, determination,
titration with purified hyaluronic acid (Pol))

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Heterogenetic reactions of antistaphylococcal serum with polysaccharides isolated from plant and animal tissues. Bul Ac Pol biol 7 no.5:169-171 '59. (EEAI 9:7)

1. Department of Systematic Microbiology, Lodz University. Presented by E. Mikulaszek. (STAPHYLOCOCUS) (POLYSACCHARIDES) (BOTANY) (HISTOLOGY)

ZABLOCKI, Bernard; SZYDLOWSKI, Stanislaw; KOTELKO, Krystyna

Types of diphtheria bacilli occurring in the city of Lodz and their sensitivity to penicillin. Nauki matem przyrod Lodz no.7:161-169 '60.

1. Katedra Mikrobiologii Szczegolowej, Uniwersytet, Lodz.

KOTELKO, Krystyna; SZYDLOWSKI, Stanislaw; ZARLOGKI, Bernard

。 在一个大学的大学的大学生的研究,在一个大学生的大学生,在一个大学生的大学,也不是一个大学生的大学,也不是一个大学生的一个一个大学生的一个一个大学生的一个一个大学

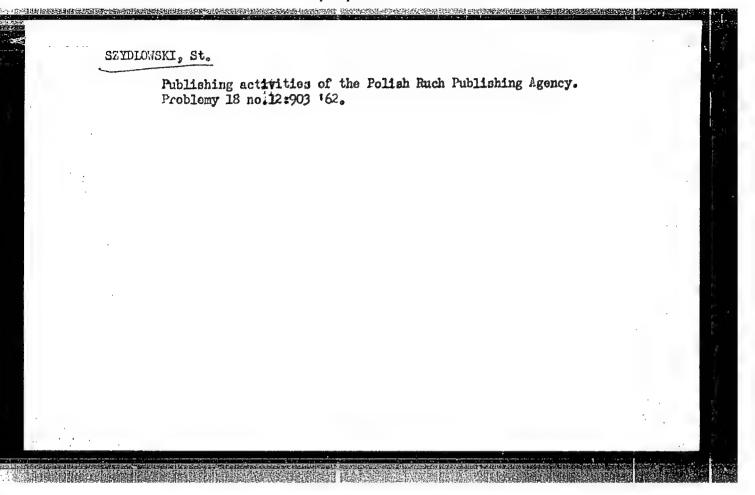
Studies on phase-variability of Shigella sonnei. Communication I. Med.dosw.mikrob. 12 no.1:53-59 '60.

1. Z Katedry Mikrobiologii Szczegolowej Uniwersytetu Lodzkiego Kierownik: prof.dr B. Zablocki. (SHIGELIA)

SZYDLOWSKI, Stanislaw; KERSZMAN, Gustaw

Heterogenetic reactions of the serum of the anti-Bacillus magatherium with extracts of bacterial cells from plant and animal tissues. Nauki matem przyrod Lodz no.13:3-8 162.

1. Katedra Mikrobiologii, Uniwersytet, Lodz.



Survey of the works of Subcommission 2/2 on exploitation and tariff schedules in telephony. Przegl telekom 34 no.8:241-242 Ag '61.

SZYDLOWSKI, Zygmunt

Oxygen metabolism of the liver tissue after halothane and diethyl ether anesthesia. Acta physiol. Pol. 16 no.2: 251-257 Mr-Ap*65.

1. I Katedra Chirurgii Akademii Medycznej we Wroclawiu (Kierownik: prof. dr. K. Czyzewski).

BRZECKI, Andrzej; SZEPIETOWSKI, Tomasz; SZYDLOWSKI, Zygmunt; ZAGROBELNY, Zdzislaw

Bronchial spasm as a complication of endotracheal anesthesia. Polski przegl. chir. 35 no.6:625-627 163.

1. Z I Kliniki Chirurgicznej AM we Wicclawiu Kierownik: prof. dr K. Czyzewski i z Kliniki Chorob Nerwowych AM we Wroclawiu Kierownik: prof. dr R. Arend. (BRONCHIAL SPASM) (ANESTHESIA, INTRATRACHEAL)

CZYZEWSKI, Kazimierz; JAWORSKI, Zdzislaw; SZYDLOWSKI, Zygmunt

The mechanism of jaundice following ligation of the common bile duct. Pol. przegl. chir. 35 no.7/8:761-762 63.

1. Z I Kliniki Chirurgicznej AM we Wroclawiu Kierownik: prof. dr K. Czyzewski i z L'Unite de Recherches Chirurgicales de Lyon Kierownik: prof. dr P. Mallet-Guy.

(JAUNDICE, OBSTRUCTIVE)

(COMMON BILE DUCT)

(BILIRUBIN)

(BLOOD CHEMICAL ANALYSIS) (LYMPH)

PONJUSKI. July SUPPLIES, Programs; ZAGROBERNY, Incised:

Result of the bromoulfophthalein test following surgery of the equasivities in patients with normal and disturbed liver functions using einer and halothene amesthesia. Pol. tyg. lek. 20

no.3:206-268 22 F165.

1. Z I. Kliniki Chirurgicznej Akademii Medycznej we Wroclawin (kterownik: rrof. dr. med. Kazimierz Czyzewski).

SZYDLOWSKI, W.

SZYDLOWSKI, W. Single-tube battery receiver. p. 4.

Vol. 6, No. 6 , June 1956 RAFIOMATOR TECHNOLOGY Warszawa, Poland

So: East European Accession, Vol. 6, No. 2, Feb. 1957

SZYDLOWSKI, Z., Dr.

Experience of the industrial medical service at the Aluminium foundry at Skawina. Zdrowie pub., Warszawa no.6:430-436 Nov-Dec 54.

(INDUSTRIAL HYGIENE in Poland, med. care in foundries)

BELOWSKI, Henryk; KOTZ, Jerzy; SZYDLOWSKI, Zygmunt

Sensitivity of the intestinal mucosa to hydrechloric acid in dogs. Polski praegl, chir. 32 no.11:1059-1066 160.

1. Z I Kliniki Chirurgicznej A.M. we Wroclawiu Kierownik: prof. dr K. Czyzewski z Katedry Anatomii Patologicznej W.S.R. we Wroclawiu Kierownik: prof. dr A. Zakrzewski.

(INTESTINE physical) (HYDROCHLORIC ACID)

SZYDLOWSKI, Zygmunt F.

Remarks on the conclusions from statistical analysis. Zdrow. publiczne no.9:415-417 S 165.

1. Z Zakladu Leczniczo-Zapobiegawczeho przy Hucie Aluminium w Skawiniw (Kierownik: dr. med. Z.F. Szydlowski).

SZYFELBEJN, E.

Zoohigiena (dia rolnikow). Wyd. 2. Warszawa, Panstwowe Wydawn. Naukowe, 1956. 224 p. (Skrypty dia szkol wyzszych) (Veterinary hygiene; for farmers. 2nd ed.) DA Not in DLC

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

Analysis of the characteristics of temperature and humidity curves in buildings for farm animals. Rocz nauk roln wet 70 no.1/4: 144-146 '60. (EEAI 10:9)

(Domestic animals) (Farm buildings)

SZYFELBEJN, Edward; KARAS, Jozef

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The problem of litter shortage on Polish farms. Postepy nauk roln 8 no.1:73-80 '61. (EEAI 10:8)

NIELUBOWICZ, Jan; OLSZEWSKI, Waldemar; LUKASIEWICZ, Hanna; MICHAISKI, Andrzej; ROWINSKI, Wojciech; SZYFELBEJN, Stanislaw; WIECKOWSKA, Wanda

Pathomechanism of meteorism. I. Composition of intestinal gases in paralytic ileus. Pol. przegl. chir. 36 no.5:707-715 My '64.

1. Z Zakladu Chirurgii Doswiadczalnej Polskiej Akademii Nauk (Kierownik: prof. dr J. Nielubowicz).

OLSZEWSKI, Waldemar; SZYFELBEJN, Stanislaw; ROWINSKI, Wojciech; NIELUBOWICZ, Jan.

Healing of experimental wounds of the pancreas. Pol. przegl. chir. 37 no.4:322-325 Ap¹65.

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. J. Nielubowicz).

OLSZEWSKI, Waldemar; SZYFELBEJN, Stanislaw; KRUS, Stefan

Experimental stenosis of the bile duct. Pol. przegl. chir. 36 no.62767-776 Ja 164

1. Z Zakladu Chirurgii Doswiadczalnej Polskiej Akademii Nauk (Kierownik: prof. dr. J. Nielubowicz) i z Zakladu Anatomii Patologicznej Akademii Medycznej w Warszawie (Kierownik: dos. dr. R. Stanczykowa).

POLAND

OLSZEWSKI, Waldemar, <u>SZYFRLBRIN</u>, Stanislaw, and NIELUBOWICZ, Jan, Research Office for Experimental Surgery (Zaklad Chirurgii Doswiadczalnej) of PAN [Polska Akademia Nauk, Polish Academy of Sciences] in Warsaw (Director: Prof. Dr. Jan NIELUBOWICZ)

在中国的大型的工程,但是不是不够的一个工程的,他们就是是一个人,我们们就是一个人,我们们就是一个人,我们们们的一个人,不是一个人,不是一个人,不是一个人,他们就

"Experimental Portal Hypertension and Ascites Caused by Partial Constriction of the Choledochus."

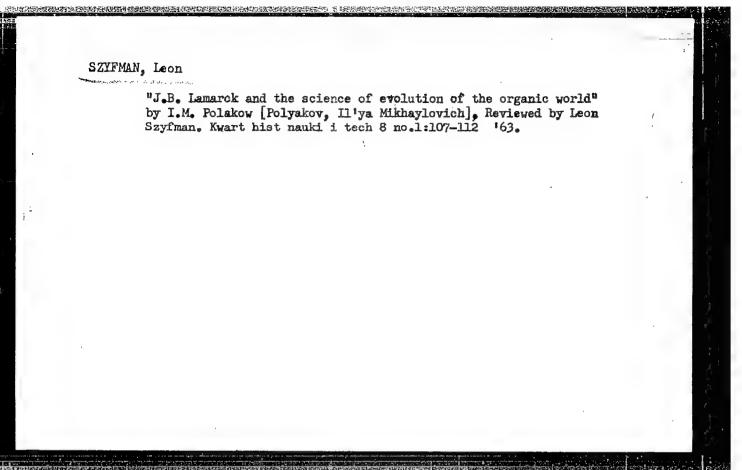
Warsaw, Polski Tygodnik Lekarski, Vol 18, No 13, 25 Mar 63, pp 457-461.

Abstract: [Authors' English summary] The constriction of the dulcus choledochus to an extent of 50-70 percent, causes in dogs, in addition to cholestasis, a complete picture of hypertension in the vena portae. The effects were noted mostly in the 13th week following operation and were expressed in increased portal pressure, development of abdominal collateral circulation, and ascites. Authors suggest this method to be used as a model for studies on hypertension in the portal vein. With the exception of one Polish one, the 27 cited references are English.

SZYFMAN, Leon; DOBRZYCKI, Jerzy

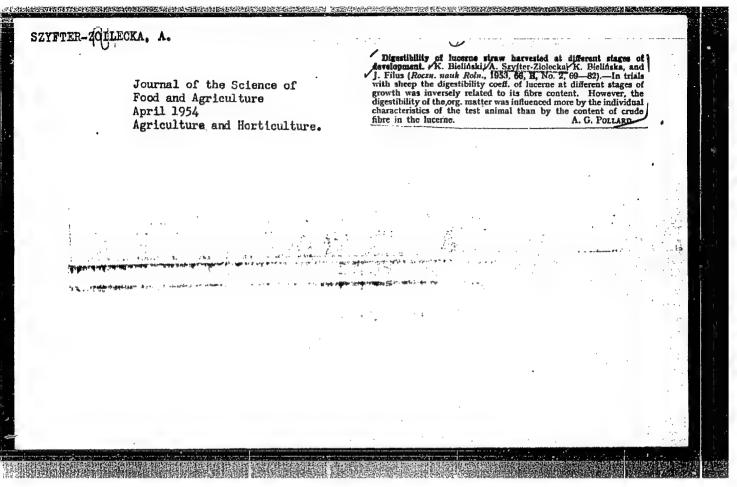
M.Piehl, a Danish historian of sciences, visiting Poland. Kwart hist nauki i tech 7 no.1/2;228-230 162.

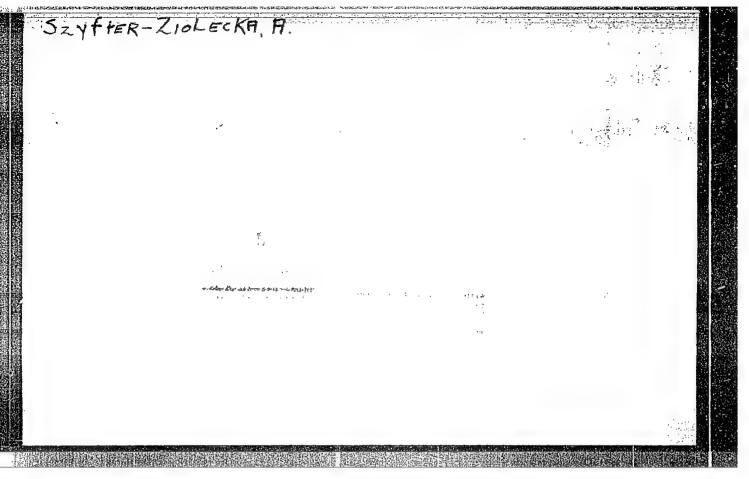
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SZYGENLOWSKI, J.

"When is the pillow unnecessary?" p. 152 (Skrzydla I Motor, Vol. 8, no. 10, Mar 53, Warszawa)

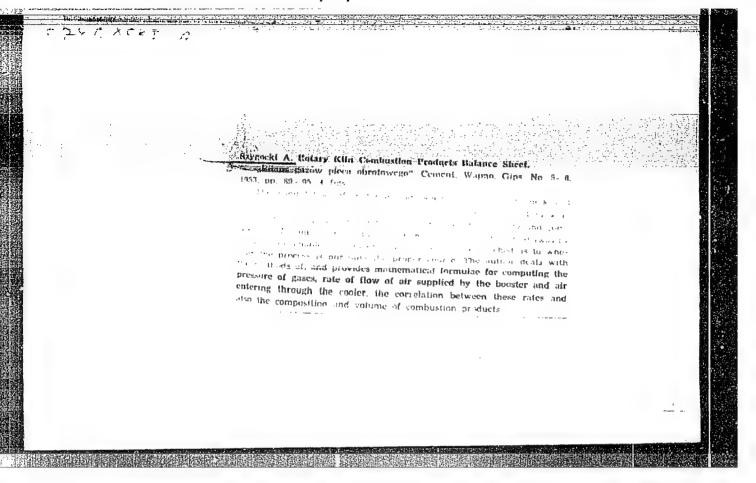
"Krakow has won the Sim award" p. 154 (Skrzydla I Motor, Vol. 8, no. 10, Mar 53, Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

SZYGOCKI, A.

"Technical progress in the cement industry" p. 184 (CETENT, WAPNO, GIFS, Vol.8, no.9 Sept. 1952 Krakow, Foland)

SO: Monthly List of East European Accessions, Vol. 2, #1, Library of Congress August 1953, Uncl.



SZYGOCKI, A.

SZYCOCKI, A. Technoligical cards in the cement industry. p. 111. EUDOWNICTWO PRZEMYSLOWE. Warszawa, Poland. Vol. 4, No. 11, Nov. 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

SZYGOCKI, Anatol, mgr., inz., (Sosnowiec); STARK, Zofia, mgr., inz., (Sosnowiec)

The influence of sodium sulphate on the liquidness of slurry. Cement wapno gips 16/26 no.7:237-242. 161.

(Clinker bricks) (Sodium sulphate)

SZYGOCKI, Anatol, mgr chem; NURKIEWICZ, Artur, techn mech; PIECZARA, Stefan, mgr chem.; PAJAK, Franciszek, inz.

Influence of sodium sulfite on the fluidity of sludge. Gosp paliw 11-Special issue no.(95):3-5 Ja '63.

1. Zjednoczenie Przemyslu Cementowego, Sosnowiec, (for Szygocki) and Nurkiewicz). 2. Cementownia Nowa Huta, Krakow (for Pieczara). 3. Najwyzsza Izba Kontroli, Delegatura Katowice (for Pajak).

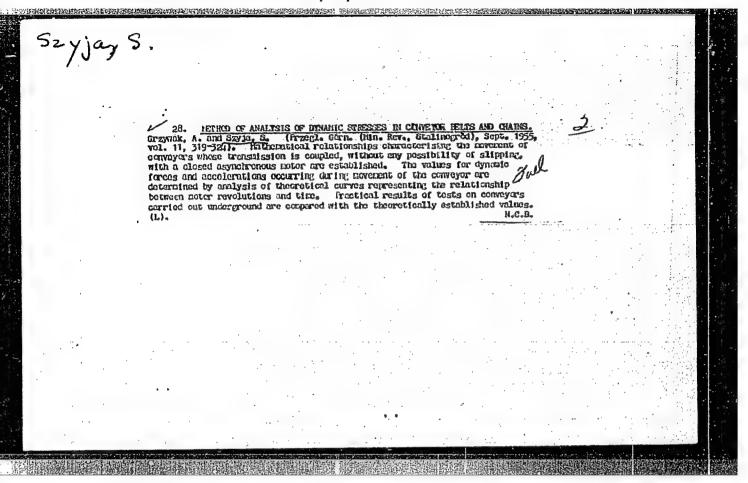
KRASUCKI, Florian, mgr inz.; SZYJA, Stanislaw, mgr inz.

Selection of the power supply voltage for mining machines in sectors of high mining concentration. Przegl gorn 20 no.10:402-410 0 '63.

SEYJA, S.

SZYJA, S. Testing the driving machinery for belt conveyers. Biuletyn. p. 9
No. 11, Vol. 11, Nov. 1955. PRZEGLAD GORNICZY. Stalinogrod, Poland.

SOURCE: East European Accessions List (EFAL) LC VOL. 5, No 6 June 1956



SZYJA, S.

IO-54 speed controller for automatization of belt conveyers. Biuletyn Mech.

p. 7 (Przeglad Gorniczy. Vol. 12, no. 7/8, July/Aug. 1956. Katowice, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

SZYJA, S.; GEZYMAK, A.

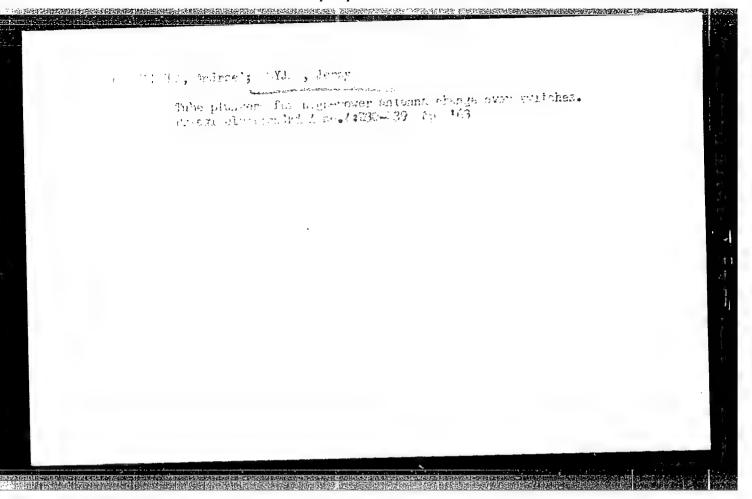
The influence of electric feeders on the output of electric motors in mines. p. 194.

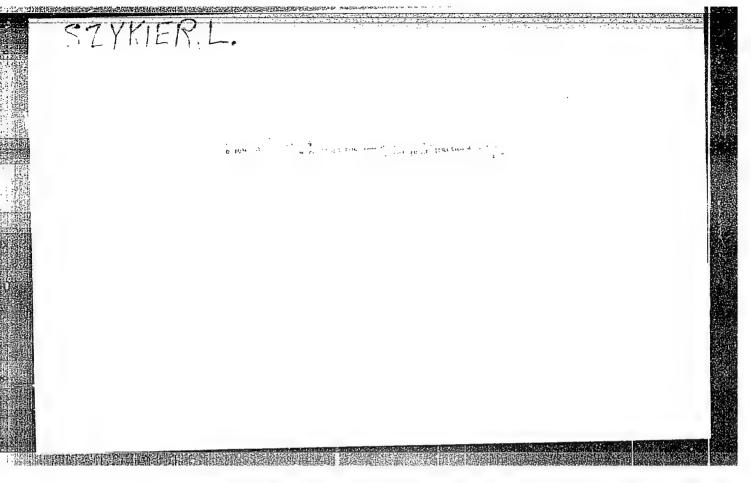
PRZEGLAD GORNICZY. Katowice, Poland, Vol. 5, no. 4, Apr. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 9, September, 1959. Uncl.

SZYJA, Stanislaw, mgr., inz.; GRZYWAK, Andrzej, dr., inz.

Problems connected with mining electrical drives and feeding transformers. Przegl gorn 17 no.11:Suppl.: Biuletyn Zakl Konstr. Mech PW 9 no.1:8-12 *61.





SZYKIER, Leon; IZDEBSKI, Marian; KULESZA, Wojāiech

Results of the treatment of rheumatoid arthritis with gold salts according to observations on 656 patients. Pol. tyg. lek. 22 no.23: 912-914 4 Je '62.

1. Z Wojewodzkiej Przychodni Reumatologicznej w Lodzi; dyrektor: dr med. Leon Szykier. (ARTHRITIS RHEUMATOID ther)

P/015/62/000/010/002/002 D001/D101

AUTHORS:

Winogradow, Leon; Widaj, Józef; Szykuła, Paweł

TITLE:

Paraffin wax as plasticizer in the production of capacitor di-

electric based on barium titanate .

PERIODICAL:

Szkło i ceramika, no. 10, 1962, 303-314

TEXT: The Zakłady Ceramiki Radiowej (Radio Ceramics Plant) and the Katedra Ceramiki Szlachetnej Akademii Górniczo-Hutniczej (Chair of Ceramic Whiteware of the Metallurgical and Mining Academy) in Kraków examined the effect of paraffin wax plasticizer on the manufacture and properties of capacitor disks made of the ceramic mix BaTiO₃, ZrO₂, CaCO₃, MgCO₃, BaCO₃ and Bi₂O₃. To this end, paraffin was added to form a content of 2, 4, 6, 10, and 15%. Disks measuring 14.4 mm in diameter and 1.5, 1.0, and 0.7 mm thick were pressed at 100, 300, 800, 1,500, and 2,500 kg/cm², and heated at 60, 120, and 180°C for 1 and 3 hours, respectively. Heated disks were examined for mechanical strength and, after firing, for linear and volumentric shrinkage, absorption, bulk density, and electrical properties. Conclusions: Best Card 1/2

P/015/62/000/010/002/002
Paraffin wax as plasticizer in the ... D001/D101

results were achieved with a paraffin content of 4%, with disks pressed at 1,500 kg/cm² and heated at 120°C for 1 hour. Disks thus prepared had a mechanical strength of 6 kg against the minimum required 2.5 kg. Mechanical strength was established by resting a 60° conical steel point with a tip of r=0.3 on the samples and adding ballast until destruction. There are 9 tables and 17 figures. Abstracter's note: The unit in r=0.3 is not specified.

Card 2/2

WROBLEWSKA-MULARCZYKOWA, Zofia ZOLTOWSKI, Zbigniew; DOBRZYNSKI, Leszek;
PRZESMYCKI, Feliks; SZYKULA, Roman; OLKOWSKA, Danuta; SWOBODZINA,
Ewa; SZYMANSKI, Stanislaw; KOZLOWSKI, Slawomir: ZUKOWSKI, Kazimierz.

A search for arborviruses previously not known to occur in Poland. II. Serologic and virologic studies in selected areas of Warsaw abd Bialystok. Przegl. epidem. 18 no.4:381-390 '64.

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1. Peterfy Sandor u-i korhaz (igazgato: Galocsi, Gyorgy, dr.) Gyermeksebeszeti osztalya (foorvos: Robert, Jozsef, dr.) kozlemenye.

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In Olecko, index 16, 3, p. 4. A new state in the struggle for contracting and purchasing livestock. p. 5

ROLNIK SPOLDZIELCA (Centrala Rolniczej Spoldzielni "Sampopomoc Chlopska") Warszawa, Poland Vol. 8, No. 45, Nov. 1955

Monthly list of East European accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960

uncl.

SZYLIGA, JAN

POLAND/Chemical Technology - Chemical Products and Their Application, Part 3. - Food Industry.

H-27

: Ref Zhur - Khimiya, No 7, 1958, 23034 Abs Jour

: Jan Szyliga Author

Inst

: Upon the Scientific Research Work Concerning Grains in Title

France.

: Przegl. zboz.-mlynarski, 1957, 1, No 7, 19-20 Orig Pub

: No abstract. Abstract

Card 1/1

LAWROWA, K.W.; SZYLOWA, J.A.

Clinico-diagnostic and prognostic role of urinary sediment color reaction in diphtheria patients. Pol. tyg. lek. 18 no.26: 929-931 Je 163.

1. Z Katedry Dzieciecych Schorzen Zakaznych; kierownik naukowy: doc. W.L. Eberts - Panstwowego Instytutu Medycznego w Tomsku; rektor: prof. I.W. Toropcew - na materiale Zakaznego Szpitala im. zasluzonego lekarza RSFSR G.E. Sibircewa; lekarz naczelny: L.I. Wintowkin.

(URINE) (DIPHTHERIA)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

Acoustic aspects of the Gruneisen-Debye equation. Prim. ul-traakust. k issl. veshch. no.14:61-63 '61. (MIRA 14:12) (Molecular theory) (Sound--Speed) (Differential equations)

SZYMACHA, A.; WERLE, J.

On the problem of discrete quantum numbers for three particle states. Bul Ac Pol mat 11 no.8:557-560 '63.

1. Institute of Theoretical Physics, University, Warsaw, and Institute for Nuclear Research, Polish Academy of Sciences, Warsaw. Presented by L. Infeld.

ACC NR. AP6035155	(A)	SOURCE CODE:	PO/0081/65/01	9/002/0216/02	218
BUJNOWSKT Zhioniau KARWOW	• •				
BUJNOWSKI, Zbigniew, KARWOW MASKOWSKA-IWANICKA, Danuta;	Clinic of In	ections Disease	or of the Wedle	id :	
Academy (Klinika Chorob Zaka	znych AM). Bi	ialystok, and R	actional Canthar	-40	
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"Epidemiologic Analysis of N of the Bialystok Wojewodztwe	ass outbreaks	or Poisoning	in the Territor	У	
The state of the s	, 1993 60 1903) • ···		, B.	
Warsaw, Przeglad Epidemiolog	iczny, Vol 19	, No 2, 1965;	r 216-218.	3.	
Abstract: Review of 59 outh					
necessary for 347 of t	hese: 9 of th	e latter died	of the disease	The	
data regarding the number of	outbreaks an	d persons invol	lved are given	for each	
year; causative organisms an	d food involv	ed are discuss	ed. as well as	disonnatie	
methods. Most cases were du	e to home-pro	cessed meat pro	ducts: occurre	nce was	
seasonal mainly May to Octob at the 3rd Scientific Assemb	er; only one	case was due to	ice cream. P	resented	
Krakow, 5-6 Oct 64. [JPRS]	27 02 1011811	Enidemiorokist:	and Intectoro	(1868.	
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TOPIC TAGS: epidemiology, t	herapeutics				1 '
SIID CODE. Of / SUDI DATE					
SUB CODE: 06 / SUBM DATE:	none			•	
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POLAND

SZMUNESS, Wolf; SIKORSKA, Jadwiga; SZYMANEK, Elzbieta; MIKOSZ, Aleksander, and CECHOWICZ, Lucja; Regional Sanitation-Epidemiology Center (Wojewodzka Stacja Sanitarno-Epidemiologiczna,) Head (Dyrektor) C. HOROCH, MD, Lublin.

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Warsaw, Przeglad Epidemiologiczny, Vol 19, No 4, 1965; pp 433-439.

Abstract [English summary modified]: Strains of antibiotic-resistant Salmonella enteritidis were isolated from the throat and nose swabbings of 37 out of a total of 131 children infected with the microbe in five hospital foci. Most were quite young, below 1 year of age. Carrier state was usually permanent. Three tables, 1 Soviet, 16 Western references.

1/1

SZYMAKOWSKA, Franciszka

Bentonites from Silesian Cretaceous of the Chelm-Czarnorzeka Range. Kwartalnik geol 6 no.2:440-441 62.

1. Karpacka Stacja Terenowa, Instytut Geologiczny, Warszawa.

SZYMAKOWSKA, Franciszka

The development of Krosno deposits in some regions of the middle Carpathian Mountains. Kwartalnik geol 3 no.3:620-627 *59. (EEAI 9:7)

1. Karpacka Stacja Terenowa Instytutu Geologicznego (Poland--Geology) (Carpathian Mountains)

JASIONOWICZ, Jan; KOSZARSKI, Leszek; SZYMAKOWSKA, Franciszka

Geologic conditions of the occurrence of phosphoritic concretions in the Weglowka variegated marls in the Upper Cretaceous of the Middle Carpathian Mountains. Kwartalnik geol 3 no.4:1016-1023 '59.

(EEAI 10:1)

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(Carpathian Mountains)

(Poland--Marl)

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A new stand of Paleocene sediments from the Skole unit at Kamiernica Dolna and Gorzejowa. Kwartalnik gaol 5 no.3:613-629 '61.

1. Karpacka Stacja Instytutu Geologicznego.

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1. Karpacka Stacja Terenowa, Instytut Geologiczny, Warszawa.

DEYMHKOWOKH, Franciszka

POLAND

SZYMAKOWSKA, Franciszka

Carpathian Field Station, Geological Institute (Karpacka Stacja Terenowa Instytutu Geologicznego)

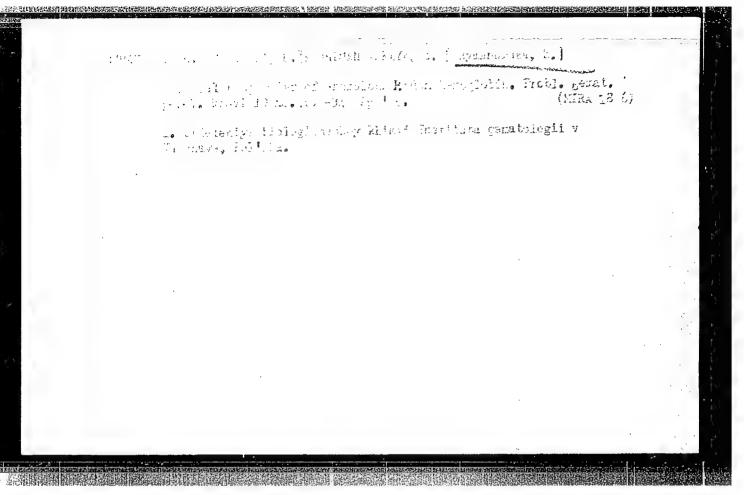
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"Influence of Frydecian (frydecki) Facia in Lower Istebnian Layers of the Silesian Series in the Profile of Kobylo near Frysztak".

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Genesis of Magura nappe outliers from the vicinity of Jaslo and the Subsilesian nappe from the vicinity of Wielopole Skrzynskie. Rocz geol Krakow 33 no.1/3:363-385 '63.

1. Geologic Survey, Carpathian Branch, Krakov.



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1. Z Zakladu Stomatologii Zachowawczej Akademii Medycznej w Lodzi (Kierownik: prof. dr. M. Fuchs).

And the laws and sections of active food of the periodontium of the conservative from the cases of threate periodontium of the sections of the section of the periodontium of the conservative from the cases of threate periodontities.

1. 1 Cantara Strantologic Zachesarczej Skademil Medycunej w forth (Elen anaka prof. dr. M. Furba).

SZYMANIAK, Ewa

New views on the diagnosis and therapy of dental foci of infection. Pol. tyg. lek. 19 no.36:1364-1367 7 S '64.

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KOZLOWSKA, Janina; KOPPE-LIPOWSKA, Halinu; MURAWSKI, Kazimierz; SZYMANOWSKA, Zofia.

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The hemoglobin M-Radom clinical syndrome. Pediat. Pol. 38 no.12:1043-1050 D'63

1. Z I Kliniki Pediatrycznej AM w Warszawie (kierownikiprof. dr. med. R. Baranski); z Oddzialu Dzieciecego Szpitala Miejskiego w Radomiu (ordynator: dr. med. H. Koppe-Lipowska); z Instytutu Hematologii w Warszawie (dyrektor: doc.dr. med. A. Trojanowski).

*

SZYMANOWSKA, Z.

From the activities of the Commission for the History of Forestry of the Polish Sylvan Society. Kwart hist kult mater 12 no.2:341-342 164.

SZMIDER, J.; SZYMAKOWSKI, J.

The high pressure helium-xenon gas scintillation counter as a fast neutron energy and spin polarization analyzer. Inst fiz jadr report no. 266:1-12 '63

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Polarization of neutrons from the D (d,n) He reaction for deuteron energies between 5.9 and 11.3 MeV. Inst fiz jadr report no. 262:1-10 '63

1. Instytut Fizyki Jadrowej, Krakow.

POLAND/Nuclear Physics - Installations and Instruments. Methods of C-2 Measurement and Research

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 17371

Author -: Szymakowski Jan

: Not Given Inst

: Diffusion Chamber for the Investigation of Ionizing Radiation Title

Orig Pub : Zesz. nauk. Uniew. jagiell., 1955, No 3, 203-207

Abstract: The author describes in detail a constructed diffusion chan-

ber and shows photographs of tracks of ionizing particles

formed in this chamber.

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SLAVIC, I.; SZYMAKOWSKI, J.; STACHORSKA, D.; MILOJEVIC, A.; AJDACIC, V.

Distribution of temperature in a diffusion cloud chamber. Bul Inst Nucl 11:23-35 '61.

1. Institute of Nuclear Sciences "Boris Kidrich," Department of Physics, Vinca. 2. At present at the University of Lublin, Poland (for Stachorska). 3. At present at the Institute "Badan Jadrowych," Krakow, Poland (for Szymakowski).

SZYMAKOWSKI, Jan, mgr.,inz.; FIEGA, Marian, mgr.,inz.

Welding of tool joints with drilling pipes. Nafta Pol 16 no.2: 35-40 '60.

1. Instytut Naftowy, Krakow.

Acres . Mania: Coll'Yokk, Walling Som Bold, comment, Clymniczyk, alpina

The applicance of pathogenic staphylonomic in a cols of linkats one co-mailed staphylonomical entercoolitis. I what. Pol. 39 no.4: ACL-LOC Applicat.

1. Indiniki miagnostyli Choros dojeni Akamerii Medyeznej w Marsemmie (Merownik: prof. dr. med. Z. Lejmvach) i ze Stacji Saniterno-Epidemiologicznej w Marszawie (Kierowni) Dzialu badan laocratoryjnych: dr. med. J. Jakobkiewicz).

SZYMANIEC, Stanislaw; KWIATKOWSKA, Janina

A simple method for the cultivation of leukocytes for the study of karyotypes. Postepy hig. med. dosw. 18 no.5:849-852 S-0 '64

1. 2 Zakladu Patofizjologii Instytutu Immunologii i Terapii Doswiadczelnej Polskiej Akademii Nauk im. L. Hirszfelda we Wrocławiu (kierownik: prof. dr. H. Kowarzyk) i z Zakladu Chemii Fizjologicznej Akademii Medycznej we Wrocławiu (kierownik: prof. dr. T. Baranowski).

SITKOWSKI, Waclaw; PLOCKER, Leon; SZYMANOWSKI, Jan

Successful x-ray treatment in ulcerative colitis. Pol. tyg. lek. 17 no.52:2040-2043 25 D '62.

1. Z Pracowni Radiologicznej Szpitala Miejskiego Nr 6, kierownik: dr med. I. Pronaszko, konsultant; W. Sitkowski; z Kliniki Gastrologicznej, kierownik: prof. dr med. L. Plocker i z II Kliniki Chirurgicznej Studium Doskonalenia Lekarzy: kierownik: prof. dr med. J. Dryjski. (COLITIS, ULCERATIVE)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754610011-5"

。 [2] "我们是我们的一个人,我们就是一个人,我们就是我们的一个人,我们就是我们的一个人,我们就是我们的一个人,我们就是我们的一个人,我们就是我们的一个人,我们

KOWALEWSKI, Jan, SZTMANEK, Dominik

Leukergy in diseases of the liver and the biliary tract. Polskie arch.med.wewn. 25 no.3a:629-631 '55.

1. II Klinika Chorob Wewnetrznych AM w Lublinie. Kierownik: prof dr med. A.R. Tuezkiewicz.

(LIVER, diseases diag., test for leukergy)

(BILIAM TRACT, diseases diag., test for leukergy)

(LEUKOCYTES leukergy in dis.of liver & biliary tract, diag.value)

SZYMANEK, Dominik; WRONSKI, Jerzy; BRYC, Stanislaw

。 第125章 医中央性神经病,他是一个人,他们就是一个人,他们就是一个人,他们就是一个人,他们就是一个人,他们也不是一个人,他们也是一个人,他们也是一个人,他们就

Diabetes insipidus with hypothalamo-pituitary-adrenal insufficiency resulting from a pineal tumor. Endokr. pol. 12 no.5:543-549 '61.

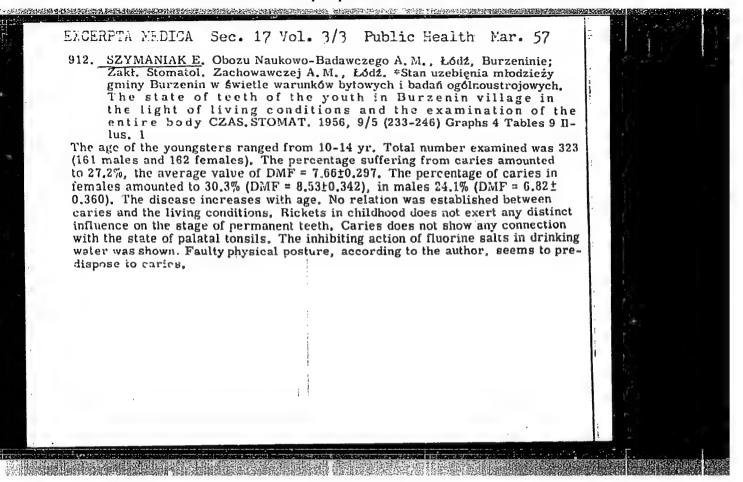
1. II Klinika Chorob Wewnetrznych AM w Lublinie Kierownik: prof. dr A.R. Tuszkiewicz Oddział Neurochirurgii przy Klinice Chorob Nerwowych AM w Lublinie Kierownik: prof. dr W.Stein Kierownik Oddzialu: doc. dr H.Kozniewska Zaklad Radiologii AM w Lublinie Kierownik: prof. dr K.Skorzynski.

(DIABETES INSIPIDUS etiol) (PINEALOMA compl) (PITUITARY GLAND dis) (HYPOTHALANUS dis) (ADRENAL CORTEX dis)

KRAWCZYNSKI, Jarzy; KUJAWA, Romauld; POKORA, Jan; SZYMANEK, Dominik

A case of diabetes insipidus treated with chlorothiazide and hydrochlorothiazide. Polski tygod. lek. 16 no.43:1658-1663 23 0 '61.

1. Z II Kliniki Chorob Wewnetrznych A.M. w Lublinie; kierownik: prof. dr A.R. Tuszkiewicz i z Centralnego Laboratorium Klinicznego PSK Nr 1 w Lublinie; kierowniky: doc. dr J. Krawzyski. (DIABETES INSIPIDUS ther) (CHLOROTHIAZIDE ther)



PIONKOWSKI, Janusz; SZYMANIAK, Ewa

2 cases of cretinism with special reference to changes in the oral cavity. Polski tygod.lek. 15 no.14:516-519 4 Ap '60.

1. Z Kliniki Psychiatrycznej A.M. w Lodzi; kierownik: doc.dr med. Stanisław Cwynar i z Kliniki Stomatologii Zachowawchej A.M. w Lodzi; kierownik: doc.dr Mieczysław Fuchs. (CRETINISM case reports) (MCUTH abnorm.)

L 64673-65

ACCESSION NR: AP5023139

P0/0059/64/018/005/0849/0852

AUTHOR: Szymaniec, Stanislaw (Wroclaw); Kwiatkowska, Janina (Wroclaw)

TITLE: Easy method of preparing leukocytes for caryotype observation

SOURCE: Postepy higieny i medycyny doswiadczalnej, v. 18, no. 5, 1964, 849-852

TOPIC TAGS: blood, experiment animal, hematology

ABSTRACT: Method based on use of polyvinyl alcohol 900 (MW 4000) and red-bear. phytohemagglutinins, permitting rapid utilization of isolated leukocytes from minimal volumes 10.5 to 1 ml) of blood is described in detail. It was tested on blood of guinea pigs, rabbits, and in 70 specimens of human blood with good results. Orig. art. has 1 figure.

ASSOCIATION: Zaklad Patofizjologii Instytutu Immunologii i Terapii Doswiadczalnej PAN im. L. Hirszfelda, wrocław (Department of Pathology of the L. Hirszfelda Institute of Immunology and Experimental Therapy of PAN); Neklad Chemii Fizjologicznej AM, Wroclaw (Department of Physical Chemistry of the MA) SUB CODE: LS

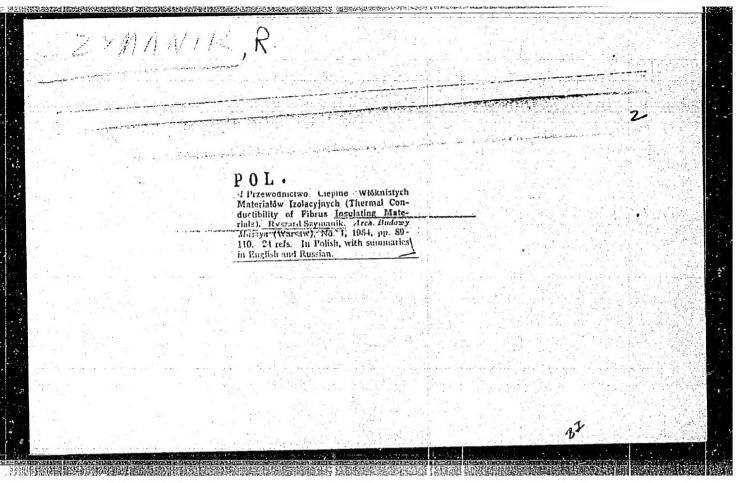
SUBMITTED: 00May64

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OTHER: 015

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NO REF SOV: 000 Card 1/L



SZTMANIK, Ryszard; STANISZEWSKI, Robert (Warszawa)

A certain test method of combustion chambers. Archiv bud masz 10 no. 3: 239-247 '63.

P/2535/64/000/012/0065/0069

ACCESSION NR: ATLO22288

AUTHOR: Szymanik, Ryszard

TITLE: Application of nuclear energy to rocket technology

SOURCE: Gliwice. Politiechnika Slaska. Zeszyty naukowe, no. 99, 1964. Energetyka, no. 12. Materialy na Konwersatorium Spotkanie Techniki Konwencjonalnej z Technika Muklearna (Materials of the Conference on General and Muclear Engineering), 65-69

TOPIC TAGS: high-speed cosmic rocket, nuclear rocket engine, low molecular mass propellant, high temperature rocket engine

AESTRACT: Higher maximum velocities are obtained by means of multistage rockets. A conventional rocket would require 2.5x10° kilograms of high-grade chemical fuel in order to be able to transport a mass of 10 kg. from Earth to the Moon and back. The size of a cosmic rocket can be tremendously reduced by the Moon and back. The size of a cosmic rocket can be tremendously reduced by utilizing nuclear energy instead. The simplest such scheme appears to consist utilizing nuclear reactor as source of heat, in place of the fuel combustion chamber. An evaluation of various types of nuclear rockets is made on the basis of

Card 1/47

ACCESSION NR: AT4022288

comparing their performance characteristics with those of conventional ones, as shown in Fig. 1 of Enclosure 01. The two major difficulties in high-speed nuclear rocket design are: 1) the high temperature of 50000 required in the engine to make the velocity of the jet gases reach about 7 km./sec., and 2) the selection of the proper propellant material, which should have a small molecular mass. Hydrogen would be an excellent choice, if its density even in liquid state were not so low. Ammonia or water are being considered for that purpose. The first problem is essentially also one of material selection, which has not been evercome yet. A possible solution of the high-temperature problem is shown in Fig. 2. of Enclosure 02 with a gas reactor. High unit thrusts are obtained here, but the difficulty lies in the large size of the apparatus.

ASSCCIATION: none

SURMITTED: OC

DATE ACQ: 13Apr64

ENCL: 02

SUB CODE AS, MS.

NO REF SOV: 000

OTHIR: 005

Card 2/47